## Model Performance

| Model | Data |
|-------|------|

### Weighted KNN model

| 5-fold CV (75%) | | Training (75%) | | Test (25%) | |
|-----------------|------|----------------|------|------------|------|
| Q2 | RMSE | R2 | RMSE | R2 | RMSE |
| 0.84 | 0.55 | 0.85 | 0.53 | 0.83 | 0.64 |

## Model Results

**Predicted value:** 42.3

**Global applicability domain:** Inside

**Local applicability domain index:** 5.23e-01

**Confidence level:** 6.39e-01

## Nearest Neighbors from the Training Set

Image not found
Butyl ether
**Measured:** 72.4
**Predicted:** 32.3

Image not found
Cyclohexane
**Measured:** 83.2
**Predicted:** 59.1

Image not found
cis-Nanophine
**Measured:** 5.01
**Predicted:** 6.12

Image not found
1-Ethenoxy-2-ethylhexane
**Measured:** 603
**Predicted:** 284